

Centum Preparation 100 Days plan class 12 Maths

Q.N o.	DAY - 58
358	Example 9.6 Evaluate : $\int_0^1 \frac{2x+7}{5x^2+9} dx$.
359	Example 9.7 Evaluate : $\int_0^1 [2x] dx$ where $[\cdot]$ is the greatest integer function.
360	Example 9.9 Evaluate : $\int_0^9 \frac{1}{x+\sqrt{x}} dx$.
361	Example 9.11 Evaluate : $\int_0^{\frac{\pi}{2}} \frac{\cos \theta}{(1+\sin \theta)(2+\sin \theta)} d\theta$.
362	Example 9.12 Evaluate : $\int_0^{\frac{1}{\sqrt{2}}} \frac{\sin^{-1} x}{(1-x^2)^{\frac{3}{2}}} dx$.
363	Example 9.13 Evaluate : $\int_0^{\frac{\pi}{2}} (\sqrt{\tan x} + \sqrt{\cot x}) dx$
364	Example 9.14 Evaluate : $\int_0^{1.5} [x^2] dx$, where $[x]$ is the greatest integer function.